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Approved for use through 07/31/2006. OMB 0651-0031
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Agere Systems Inc.Application No./Patent No.: 10/008,386 Filed/Issue Date: 12/07/2001

Entitled: "Drive Circuit for MEMS Device and Method of Operation Thereof"

Agere Systems Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or2. an assignee of less than the entire right, title and interest.
 The extent (by percentage) of its ownership interest is 50 %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.**OR**B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: Inventor(s) To: Agere Systems Guardian Corp. & Lucent Technologies, Inc.The document was recorded in the United States Patent and Trademark Office at Reel 012363, Frame 0161, or for which a copy thereof is attached.2. From: Agere Systems Guardian Corp. & Lucent Technologies, Inc. To: Agere Systems Inc. & Lucent Technologies, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

January 15, 2004

Date

(972) 480-8800

Telephone number

David H. Hitt/Reg. No. 33,182

Typed or printed name

Signature

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.



CERTIFICATE OF OWNERSHIP AND MERGER

OF

Agere Systems Guardian Corp.
(a Delaware corporation)

INTO

Agere Systems Inc.
(a Delaware corporation)

UNDER SECTION 253 OF THE GENERAL
CORPORATION LAW OF THE STATE OF DELAWARE

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), DOES HEREBY CERTIFY:

FIRST: The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

SECOND: On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

RESOLVED that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

THIRD: That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

AGERE SYSTEMS INC.

By Paul Bento
Paul Bento, Vice President

Delaware

PAGE 1

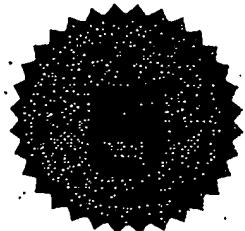
The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION, WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY, THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Agere Systems Inc..

Application No./Patent No.: _____ Filed/Issued Date: _____

Entitled:

Agere Systems Inc.. corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.
 The extent (by, percentage) of its ownership interest is _____ %

In the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A Chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From Inventor(s) To: Lucent Technologies Inc.
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From Lucent Technologies Inc. To: Agere Systems Guardian Corp.
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From Agere Systems Guardian Corp. To: Agere Systems Inc.
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[Note: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date

Typed or printed name

Signature

Corporate Counsel

Title

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Application No./Patent No.: _____ Filed/Issued Date: _____

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The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From Lucent Technologies Inc. To: Agere Systems Optoelectronics Guardian Corp.

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From Agere Systems Optoelectronics Guardian Corp. To: Agere Systems Guardian Corp.

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

4. From Agere Systems Guardian Corp. To: Agere Systems Inc.

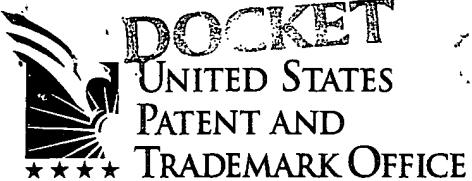
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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date_____
Typed or printed name_____
Signature_____
Corporate Counsel_____
Title



AGER 123535

DHH

FEB 11 2002

FEBRUARY 05, 2002

PTAS

HITT GAINES & BOISBRUN, P.C.
DAVID H. HITT
P.O. BOX 832570
RICHARDSON, TX 75083

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



101916899A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/07/2001

REEL/FRAME: 012363/0161

NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

FURYK, MAREK M.

DOC DATE: 11/27/2001

ASSIGNEE:

NGUYEN, KHANH C.

DOC DATE: 11/27/2001

ASSIGNEE:

SABOL, ANDREW P.

DOC DATE: 11/07/2001

ASSIGNEE:

YIN, XIAOQING

DOC DATE: 11/27/2001

ASSIGNEE:

AGERE SYSTEMS GUARDIAN CORPORATION
9333 S. JOHN YOUNG PARKWAY; ROOM
301E1211
A CORPORATION OF DELAWARE
ORLANDO, FLORIDA 32819

ASSIGNEE:

LCENT TECHNOLOGIES, INC.
600 MOUNTAIN AVENUE
MURRAY HILL, NEW JERSEY 07974

SERIAL NUMBER: 10008386
PATENT NUMBER:

FILING DATE:
ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Correspondent Name and Address

Area Code and Telephone Number **(972) 480-8800**

Name **David H. Hitt**

Address (line 1) **Hitt Gaines & Boisbrun, P.C.**

Address (line 2) **P.O. Box 832570**

Address (line 3) **Richardson, Texas 75083**

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document
including any attachments.

8

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

N/A

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
11 27 2001

Patent Cooperation Treaty (PCT)

Enter PCT application number

PCT

PCT

PCT

only if a U.S. Application Number **PCT**

PCT

PCT

has not been assigned.

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): **\$ 40.00**

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

501735

Authorization to charge additional fees:

Yes

No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

David H. Hitt

12/07/2001

Name of Person Signing

Signature

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Andrew P. Sabol

Execution Date
Month Day Year
11 27 2001

Name (line 2)

JG 68

Name (line 1) Xiaoqing Yin

Execution Date
Month Day Year
11 27 2001

Name (line 2)

JG 68

Name (line 1)

JG 68

Name (line 2)

JG 68

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1) Lucent Technologies, Inc.

If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic representative
is attached. (Designation
must be a separate
document from
Assignment.)

Name (line 2)

600 Mountain Avenue

Address (line 1)

City

State/Country

Zip Code

Name (line 1)

If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment of a
domestic representative is
attached. (Designation must
be a separate document from
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

12/07/01

ASSIGNMENT AND AGREEMENT

For value received, we, Marek M. Furyk, of Boyertown, in the County of Berks and State of Pennsylvania, and Khanh C. Nguyen, of Whitehall Township, in the County of Lehigh and State of Pennsylvania, and Andrew P. Sabol, of Oley Township, in the County of Berks and State of Pennsylvania, and Xiaoqing Yin, of Allentown, in the County of Lehigh and State of Pennsylvania, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A. and to Agere Systems Guardian Corp, a corporation in the state of Delaware having an office at 9333 S. John Young Parkway, Orlando, Florida 32819, U.S.A. and its successors, assigns and legal representatives, each an undivided one-half (½) interest in the entire right, title and interest, for the United States of America, in and to certain inventions related to "**DRIVE CIRCUIT FOR MEMS DEVICE AND METHOD OF OPERATION THEREOF**" described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Guardian Corp. and Lucent Technologies Inc. each an undivided one-half (½) interest in the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Guardian Corp. and Lucent Technologies Inc. to make application jointly for such protection jointly in their own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Guardian Corp. and Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Guardian Corp. and Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Guardian Corp./Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Agere Systems Guardian Corp. or to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Marek A. Furyk

Marek M. Furyk

Date: 4/27/01

United States of America)

Commonwealth of PA)

County of Lehigh)

On this 27 day of November, 2001, before me personally came Marek M. Furyk, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Debra L. Shipley
Notary Public

NOTARIAL SEAL
DEBRA L. SHIPLEY, Notary Public
Brainigaville, Lehigh County
My Commission Expires May 5, 2003

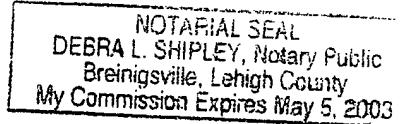
Khanh C. Nguyen
Khanh C. Nguyen

Date: 11/27/2011

United States of America)
Commonwealth of PA)
State of PA)
County of Lehigh)

On this 27 day of November, 2001, before me personally came Khanh C. Nguyen, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Debra L. Shipley
Notary Public





Andrew P. Sabol

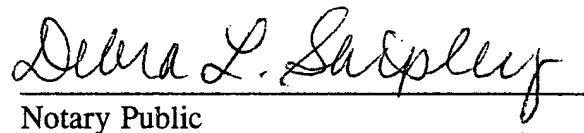
Date: 11/7/01

United States of America)

Commonwealth)
State of PA)

County of Lehigh)

On this 27 day of November, 2001, before me personally came Andrew P. Sabol, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



Xiaoqin Yin

Xiaoqin Yin

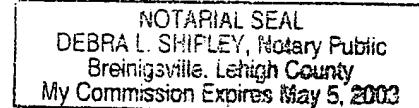
Date: 11/27/01

United States of America)
Commonwealth of PA)
State of PA)
County of Lehigh)

On this 27 day of November, 2001, before me personally came Xiaoqin Yin, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Debra L. Shipley

Notary Public



Agere Systems Inc.
P.O. Box 614
Berkeley Heights, New Jersey 07922-0614